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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/629,553

07/30/2003

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EXAMINER

SAFAIPOUR, HOUSHANG

ART UNIT

PAPER NUMBER

2625

MAIL DATE

DELIVERY MODE

07/25/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<p align="center"><b>Office Action Summary</b></p>	<b>Application No.</b> 10/629,553	<b>Applicant(s)</b> IMAIZUMI, YUKIHIRO	
	<b>Examiner</b> Houshang Safaipoor	<b>Art Unit</b> 2625	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-10 is/are pending in the application.  
     4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3 and 5-10 is/are rejected.
- 7) ☒ Claim(s) 4 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
     a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>07/03</u> . | 6) <input type="checkbox"/> Other: ____.  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-3 and 5-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's Admitted Prior Art (AAPA) and further in view of R. J. Lahr (US 3,442,582).

Regarding claim 1, AAPA discloses an image reading apparatus comprising:

a first light source (8), a conveyance unit (5) that conveys an original document sheet (W) such that it faces the first light transmission area; and a reading unit (13) that receives light emitted toward the original document (W) and reflected therefrom and reads an image of the original document sheet (figs. 8 and 9, pages 1-4 of the specification);

AAPA does not disclose the light source having first and second light transmission areas that extend along an axial direction and face each other wherein the light that is emitted through the first light transmission area and reflected by the original document sheet passes through the first and second light transmission areas and is led to the reading unit. Lahr discloses such a light source having scan aperture 13 and viewing aperture 15 facing each other and a lens 17 situated at a distance spaced from aperture 15 to receive an image reflected through aperture 13 (figs. 1 and 2, col. 2 lines 1-67). Therefore it would have been obvious to a person of ordinary skill in the art to use the light source introduced in document scanning system (col. 1 lines 48-49) of Lahr in conventional image reading apparatus disclosed in AAPA in order to have the light source in

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close proximity of the document and therefore increase efficiency and provide more compact optical system (abstract and col. 1 line 48-54).

Regarding claim 2, AAPA discloses the image reading apparatus of claim 1, further comprising: a moving unit (6) that moves the first light source along the original document sheet when the conveyance unit has come to a stop.

Regarding claim 3, combination of AAPA and Lahr discloses the image reading apparatus of claim 1, wherein the conveyance unit conveys the original document sheet while it is in contact with the first transmission area (please refer to discussions under claims 1 and 2).

Regarding claims 5 and 9, AAPA discloses the image reading apparatus of claim 1, wherein the first light source comprise a fluorescent body that generates light based on the impression of a voltage, such fluorescent body being applied on an inner wall of a transparent tube ([0006-0007]). AAPA does not disclose the first and second light transmission areas are formed so as to include at least part of non-applied areas on which the fluorescent body is not applied. Lahr discloses such an illumination source (please refer to the discussion under claim 1).

Regarding claims 6 and 10, Lahr discloses the image reading apparatus of claim 5, wherein a width of the second light transmission area is narrower than a width of the non-applied area comprising the first light transmission area (col. 3, lines 45-55).

Regarding claim 7, AAPA discloses the image reading apparatus of claim 1, wherein the first light source has a cylindrical configuration [0006].

Regarding claim 8, Applicant has not disclosed that using a light source with a pole configuration provides an advantage, is used for a particular purpose or solves a stated problem.

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One of ordinary skill in the art, furthermore, would have expected Applicant's invention to perform equally well with the light source as taught by Lahr.

***Allowable Subject Matter***

3. Claim 4 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Contact Information***

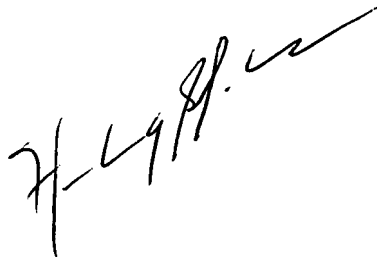
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Houshang Safaipoor whose telephone number is (571)272-7412. The examiner can normally be reached on Mon.-Fri. from 6:00am to 2:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore can be reached on (571)272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Houshang Safaipoor  
Patent Examiner  
July 20, 2007

A handwritten signature in black ink, appearing to read 'H-Safaipoor', with a stylized flourish at the end.